

IN THE CLAIMS:

Please amend the claims as follows.

1. (Amended) An equipment in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, [characterized in that] comprising:

at [the] a point of mixing (K) of the dilution water (V), passed from a dilution water pipe (11), and the fresh stock (M), passed from [the] a fresh stock pipe (13), there is at least one such pipe portion [as comprises] having a wave-shaped form in its connection in [the] a cross-section of the pipe.

Claim 2, line 1, change “characterized in that” to --wherein--.

Claim 3, line 1, change “or 2, characterized in that” to --wherein--;

line 2, before “comprises”, insert --further--; and

line 2, change “the”, first occurrence, to --a--.

4. (Amended) An equipment as claimed in [any of the preceding claims, characterized in that] claim 1, wherein the dilution water pipe (11) [is provided with] further comprises:

a wave-shaped form on [its] a wall face thereof.

Claim 5, line 1, change “characterized in that” to --wherein--; and

line 2, change “the”, first occurrence, to --an--.

Claim 6, line 1, change “any of the preceding claims, characterized in that” to --claim 3, wherein--.

Claim 7, line 1, change “any of the preceding claims, characterized in that” to --claim 3, wherein--.

Claim 8, line 1, change “characterized in that” to --wherein--;

line 2, change “the”, second occurrence, to --a--;

line 2, delete “pipe”, second occurrence; and

line 2, after “portion”, insert --of pipe--.

9. (Amended) An equipment as claimed in [any of the preceding claims, characterized in that] claim 1, wherein the [duct] white water pipe (11) further comprises:

a pump (P) placed after the mixing point (K) of the white water, fresh stock, and a circulation water in view of passing said materials into [the] a headbox (100) of the paper/board machine.

Claim 10, line 1, change “any of the preceding claims, characterized in that” to --claim 1, wherein--; and

line 2, change “the”, second occurrence, to --a--.

Claim 11, line 1, change “characterized in that” to --wherein--;

line 2, change “the”, second occurrence, to --a--;

line 2, delete “(100)”; and

line 2, change “the”, third occurrence, to --a--.

12. (Amended) A method in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, [characterized in that] comprising the step of:
forming secondary vortexes at [the] a point of mixing (K) of the dilution water (V) [used for dilution of fresh stock (M)], passed from a dilution water pipe (11), and the fresh stock (M),
 passed from [the] a fresh stock pipe (13), [secondary vortexes are formed, which] said vortexes
 [are] being formed by means [of a wave-shaped face form of] at least one of said pipes [the pipe]
having at least an end portion with a wave-shaped cross-section.

Claim 13, line 1, change “characterized in that” to --wherein--.

Claim 14, line 1, change “characterized in that” to --wherein--;

line 2, change “the”, first occurrence, to --a--;

line 2, delete “(100)”; and

line 2, change “the”, second occurrence, to --a--.

Please add the following new claims.

--15. An equipment for the improved mixing and diluting of a fresh stock (M) with a white water (V) in a paper or board machine, comprising:

a white water pipe (11) for conducting said white water (V);

a fresh stock pipe (13) structured and arranged to feed said fresh stock (M) coaxially into said white water pipe (11) at a mixing point; and

at least one of said white water pipe (11) and said fresh stock pipe (13) having at least a portion which has a transverse cross-section that is wave-shaped, said portion being located at said mixing point between said fresh stock (M) and said white water (V), whereby said wave-shape produces secondary vortexes in said flow of fresh stock and flow of white water in order to enhance the mixing and diluting of said fresh stock flow with said white water flow.

16. The equipment according to claim 15, further comprising:

a return circulation water pipe (12) is structured and arranged to coaxially conduct a return circulation water (O), through said white water pipe (11), to said mixing point between said fresh stock (M) and said white water (V); and

wherein said fresh stock pipe (13) is structured and arranged to coaxially conduct said fresh stock (M) into said return circulation water pipe (12), to said mixing point between said fresh stock (M) and said white water (V).

17. The equipment according to claim 15, wherein said wave-shape is formed on an inner surface of said white water pipe, wherein said wave-shape comprises a plurality of spaced form pieces extending radially inward from said inner surface of said white water pipe.

18. The equipment according to claim 17, wherein said form pieces have a curved cross section.

19. The equipment according to claim 16, wherein said fresh stock pipe (13), structured and arranged coaxially within said return circulation water pipe (12), is provided with said wave-shape formed along an inner circumferential surface and an outer circumferential surface thereof, whereby said return circulation water (O), conducted through said return circulation water pipe (12), is conducted over said wave-shape formed along said outer circumferential surface of said fresh stock pipe (13) and whereby said fresh stock (M), conducted through said fresh stock pipe (13), is conducted over said wave-shape formed along said inner circumferential surface of said fresh stock pipe (13), thereby producing secondary vortexes in said return circulation water (O) and said fresh stock (M).

20. The equipment according to claim 16, wherein said return circulation pipe (12), structured and arranged coaxially within said white water pipe (11), is provided with said wave-shape formed along an inner circumferential surface and an outer circumferential surface thereof, whereby said return circulation water (O), conducted through said return circulation water pipe (12), is conducted over said wave-shape formed along said inner circumferential surface of said return circulation pipe (12) and whereby said white water (V), conducted through said white water pipe (11), is conducted over said wave-shape formed along said outer circumferential surface of said return circulation pipe (12), thereby producing secondary vortexes in said return circulation water (O) and said white water (V).--